

# Safety, Operations & Maint. Manual

## **Cleanfix<sup>®</sup> Pelican FloodVac**



This manual is furnished with each new **Pelican FloodVac unit (Model HBP20FV)**. It provides necessary operation and maintenance instructions.

### **20 GAL. SINGLE VAC FLOOD VACUUM**

**READ AND FOLLOW ALL INSTRUCTIONS, WARNINGS AND CAUTIONS BEFORE AND WHEN USING THIS EXTRACTOR.**

All information and specifications printed in this manual are current at the time of printing. However, because of Cleanfix's policy of continual product improvement, we reserve the right to make changes at any time without notice.

## WHEN THE MACHINE IS DELIVERED

Carefully check the carton for signs of damage. Remove the machine from the carton. If the machine is damaged, notify the carrier immediately and request an inspection. Be sure to keep the carton, packing inserts, packing list and carrier's receipt until the inspector has verified your claim. Cleanfix's liability ceases when the shipment is picked up by the carrier. We will furnish any information needed to expedite the claim process. Check carton contents to ensure all accessories are included which are listed as follows:

- 1) 1-1/2" x 25 ft. crush proof vacuum hose
- 2) 1-1/2" x 50 ft. flat discharge hose w/ coupler
- 3) large debris filter bag (vacuum intake)
- 4) Choice of 12" swivel head squeegee or 12" aluminum wand
- 5) Drain elbow

## GENERAL PRECAUTIONS

FAILURE TO FOLLOW PRECAUTIONS AND WARNINGS MAY CAUSE SERIOUS INJURY TO THE OPERATOR AND CAUSE DAMAGE TO MACHINE, WHICH CAN VOID WARRANTY.

### WARNING

**To Avoid Electric Shock, Do Not Expose to Rain. Store Indoors.**

- For 120 volt grounded outlet models. The unit must be plugged into a properly grounded outlet for the GFCI (ground fault circuit interrupter) to function properly. **Do not** operate the machine with a broken/missing grounding pin. Have a qualified service person replace the plug immediately.
- The GFCI prevents serious shock hazard/injury if an electrical component becomes defective. **Do not attempt to push the **RESET** button more than twice.** Have a qualified service person check out the unit.
- A GFCI **does not** protect against circuit overloads and short circuits.
- **Do not** run waste pump dry as it will damage the seals.
- The vacuum is intended for WET pick up only! **Do not** use as a dry vacuum.
- **Do not** operate the machine where explosive vapors or flammable materials exist. **Do not** use where oxygen and anesthetics are used.
- **This is not** a toy. Close attention is necessary when used around or near children.
- **Do not** expose to rain. Store indoors.
- Disconnect power cord from the outlet before attempting maintenance or repair work. **Do not** leave machine connected to an electrical outlet when unattended.
- **Do not** use the machine with a frayed or damaged cord. Replace immediately.
- **Do not** pull or carry by the cord, use cord as a handle, close a door on cord or pull cord around sharp edges and corners. **Keep cord away** from heated surfaces.
- Replace rocker switch splash proof cover when it gets damaged.
- **Do not** store machine lying sideways. Store or transport in an upright position.
- This machine is designed to be used as a **continuous flood vacuum** with a single vacuum and a waste pump in operation. To prevent damage to equipment and property and to achieve the best cleaning results, please read the instructions thoroughly and completely before operating the unit.
- If an extension cord is necessary, use a 12 ga. or heavier grounding cord to prevent motor burnout and overheating of wires.
- **Do not** expose machine and wand to freezing temperatures or store in areas where the water lines can freeze.

## GROUNDING INSTRUCTIONS - 120 VOLT

*Improper use of the grounding plug can result in a risk of electric shock.*

Electrical equipment must be grounded. If it should malfunction or breakdown, grounding provides a path of least resistance for electrical current to reduce the risk of electric shock.

The unit is equipped with a cord having equipment grounding conductor and grounding plug. The plug must be inserted into an

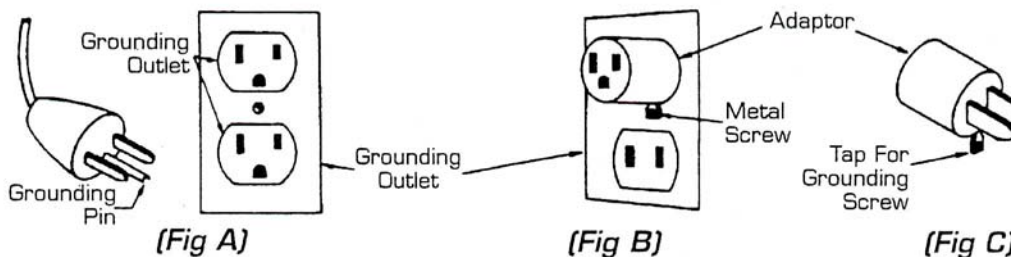
appropriate outlet that is properly installed and grounded in accordance with all local codes and ordinances.

If repair or replacement is necessary, **DO NOT** connect the grounded wire to either flat blade terminal. The wire with insulation having an outer surface that is green with or without yellow stripes is the grounding wire.

## GROUNDING METHODS

This electric equipment is for use on a nominal 120-volt circuit and has a grounded plug that looks like the plug illustrated in (Fig. A). A temporary adaptor that looks like the adaptor illustrated in (Fig. B & C) may be used to connect this plug to a 2-pole receptacle as shown in (Fig. B) if a properly grounded outlet is not available.

The temporary adaptor should be used only until a properly grounded outlet (Fig. A) can be installed by a qualified electrician. The green color rigid ear, lug or the like extending from the adaptor must be connected to a permanent ground such as a properly grounded outlet box cover. Whenever the adaptor is used, it must be held in place by a metal screw.



Note: In Canada, the use of a temporary adaptor is not permitted by the Canadian Electrical Code.

## FUNCTIONAL PARTS AND ACCESSORIES



- (1) Recovery Tank with clear high impact resistant dome – Dome must be closed when using the machine.
- (2) Switches for:
  - a) Waste Pump switch (lighted when it is on).
  - b) Vacuum switch (lighted when it is on).
- (3) 1-1/2" vacuum hose adaptor.
- (4) Drain valve for recovery tank – Pull "T" Handle up to open. Drain valve must be closed after each use. Install drain elbow upon receipt of the unit.
- (5) Latches to motor compartment – Latches must be secured when using the machine.
- (6) GFCI (Ground Fault Circuit Interrupter) - red **RESET** button, black **TEST** button. Occasionally press the **TEST** button (then **RESET** button) to assure proper operation. Pressing the **TEST** button stops the flow of electricity to the unit. Press **RESET** to restore power.
- (7)

## FUNCTIONAL PARTS AND ACCESSORIES (cont.)

Rear view



(9) 1-1/2" discharge hose adaptor. A discharge hose must be connected at the discharge adaptor when discharge pump is turned on.

(10) Power cord.

## OPERATING INSTRUCTIONS

- 1) Connect flat hose and secure quick cam coupler on the back of the unit. Unroll the hose in a straight pattern to an area where waste water is to be discharged. Make sure there are no kinks or sharp bends that may prevent the waste pump from working properly.
- 2) Connect vacuum hose to the vacuum intake and the wand (squeegee or extraction wand). An additional length of vacuum hose (max of 50 ft.) or discharge hose (max 200 ft. horizontally) may be added on to the unit if needed.  
**WARNING!!! DO NOT OPERATE THIS UNIT IN STANDING WATER.**
- 3) Plug the unit in to a dedicated 120v, 15 amp min circuit.
- 4) Turn on the VACUUM and WASTE PUMP switches.
- 5) Position the wand to extract the waste water. When the recovery tank fills up, the waste pump will automatically discharge the waste water.
- 6) **WHEN THE JOB IS COMPLETED.** Empty out recovered waste into a bucket. Remove lint bag and turn it inside out to clean. Rinse the recovery tank with clean water. Replace lint bag.

## TROUBLESHOOTING

### **Symptom: No power to the machine!**

**Problem:** GFCI **RESET** button popped out.

**Solution:** *Lift cover and push **RESET** (red) button. If the **RESET** button pops out immediately the second time, do not attempt to **RESET** again. Have a qualified service technician check out the machine.*

**Problem:** Blown fuse/circuit breaker has tripped.

**Solution:** *Replace fuse with the same rating. Reset circuit breaker. Make sure no other appliances are connected on the same circuit as the machine. The machine and optional heater both require a dedicated 15 amp circuit.*

**Problem:** Frayed cord, damaged plug or loose internal wiring.

**Solution:** *Check cord (#22027) and replace if necessary. Open switch panel and check for loose wire connection.*

### **Symptom: Intermittent power to one or all of the motors/heater!**

**Problem:** Defective power cord

**Solution:** *Replace 12 ga. power cord (#12151)*

**Problem:** Defective switch (discolored terminal connections, burnt terminal connectors)

**Solution:** *Replace green lighter rocker switch (# 12027)  
Replace black DPDT rocker switch (# 12276)*

## TROUBLESHOOTING (cont.)

**Symptom: Weak vacuum**

Problem: Worn out lid gasket

Solution: *Replace lid gasket (# 12062)*

Problem: Defective vacuum motor (noisy bearing, carbon brush sparking burn out armature & worn out carbon brush)

Solution: *Replace vacuum motor (# 12210) and motor gasket (# 12062.1)*

Problem: Lint accumulation on vacuum filter screen.

Solution: *Clean filter screen. If screen is defective, replace screen (# 12076.1)*

**Symptom: Waste pump out will not start or run**

Problem: GFCI reset button popping out only when waste pump is turned on indicates damage to pump seal or internal cable connection leak.

Solution: *Have a qualified pump service shop repair the pump. If the pump is defective, replace pump (# 12305)*

Problem: Defective rocker switch.

Solution: *Replace black DPDT rocker switch (# 12276) or lighted rocker switch (# 12027)*

Problem: Debris under float switch, float not moving freely, defective float switch.

Solution: *Clean debris. Have a qualified shop check pump if it still won't work properly.*

**Symptom: Waste pump motor overheats and trips overload /GFCI**

Problem: Defective capacitor, motor shorted, impeller or seal locked,

Solution: *Have a qualified shop check pump (# 12305). Replace if necessary.*

## New Machine Warranty



**1. Limited Warranty.** These terms and conditions of the New Machine Warranty are a material part of the agreement between Buyer and Cleanfix Cleaning Systems Inc., a New Jersey-based corporation (hereinafter "Cleanfix"), and supersede warranty terms and conditions in documentation submitted by Buyer to Cleanfix. Cleanfix warrants new machines of its manufacture against defects in material and workmanship under normal use and service to the original end-user purchaser. No person, agent, representative or distributor is authorized to give any warranties on behalf of Cleanfix, or to assume any other liability for Cleanfix in connection with any Cleanfix machine. Cleanfix reserves the right to make changes to its equipment without notice. The warranty coverage is subject to the conditions below.

**2. Registration of Warranty.** The warranty commences on the date of purchase by the original end-user from an authorized Cleanfix distributor or agent, subject to proof of purchase. The warranty commences latest, however, after six (6) months of the purchase date by the authorized distributor or agent of Cleanfix. Any new Cleanfix machine must be registered immediately with Cleanfix by the original end-user customer by fully completing and returning the warranty registration form to Cleanfix. If proof of purchase cannot be identified through a completed and returned warranty registration form, the warranty commences from the date of sale to the authorized Cleanfix distributor.

**3. Warranty Coverage.** Subject to conditions outlined below, Cleanfix warrants rotationally molded PE housings and tanks on all of its machines to be free from defects in material and workmanship, under normal use and service for ten (10) years to the original end-user.

Subject to conditions outlined below, Cleanfix warrants fiberglass housings and tanks on all of its machines to be free from defects in material and workmanship, under normal use and service for three (3) years to the original end-user.

Under this warranty Cleanfix warrants the performance of non-polyethylene and non-fiberglass components to be free from defects and workmanship for up to one (1) year to the original end-user. Parts replaced or repaired under this warranty are warranted for the remainder of the original warranty period. (See table below)

Rotationally molded PE housings and tanks	10 years
Fiberglass housings and tanks	3 years
Vacuum motors, brush motors, pump motors, boards and electronics	1 year
Battery and battery charger*	1 year

\* The 1 year period warranty commences with the purchase date by the authorized distributor or agent of Cleanfix.

Service labor charges are covered for up to one (1) year from the date of purchase through an authorized Cleanfix service provider. A total maximum of one (1) hour travel time - equal to one (1) hour labor rate - is covered for large machines, namely Falcon, Raven, Eagle and larger for 90 days. No coverage is extended for diagnosis time.

**4. Product Exceptions and Exclusions.** ALL vacuum cleaners and air movers are warranted for one (1) year. No warranty is extended for wear items, accessories and attachments including, but not limited to, belts, brushes, pad holders, capacitors, carbon brushes, wheels, casters, glides, clutches, cords, filters, filter bags, gaskets, hoses, rectifiers, switches, float switches, valves, squeegees, bearings, pulleys, relays, actuating cables, wheels, tires, vacuum cleaner attachments.

The purchaser is assured that meticulous care has been exercised in the selection, assembling and testing of these parts and components before shipping. No warranty is extended for machine finish, labels and other cosmetic parts or features.

**5. Stated Warranties.** Stated warranties are in lieu of all other warranties, expressed or implied. Any statutory implied warranties, including any warranty of merchantability or fitness for a particular purpose, are expressly limited to the duration of the written warranty. Cleanfix will not be liable for any other damages, including but not limited to incidental, indirect or special consequential damages arising out of or in connection with the furnishing, performance, use or inability to use the machine, including damages to persons or property. This remedy shall be the exclusive remedy of the buyer. The warranty is limited to the warranty.

### 6. Warranty is null and void for the following.

- Damage, defects, malfunction or other failures caused by not using the electric current indicated on the spec plate, including the use of improper extension cords.
- Damage or defect caused by accident, misuse, neglect, abuse, fire etc., including use of incompatible or corrosive chemicals or overloading of capacity.
- Failure caused by lack of proper maintenance and care, including proper machine clean-up after use, proper charging procedures for batteries.
- Failure caused by loss, damage or removal of protective components, including, but not limited to, filters and filter screens, tank covers and lids, skirts and bumpers, float shut-off assemblies.
- Freezing of any water or chemical related components (this will void all warranties on water or chemical related components, internal or external, of the product).
- Deposits and buildup in any water or chemical related systems due to hardness in water (this will void all warranties on affected systems).
- Any design alterations, adjustments and/or repairs performed on the equipment by an organization not authorized or specified by Cleanfix.
- Use of any parts not approved by Cleanfix, including, but not limited to, batteries, battery charger, filter bags, belts, electric components, motors.
- Use of machine for a purpose other than which it was designed and intended, and use of machine in excess of design duration.
- Damage in transit.

**7. Warranty Claim Procedure.** If a difficulty develops during the specified warranty period, contact the authorized Cleanfix distributor/partner from whom the machine was originally purchased. Do not return any products to Cleanfix unless explicitly authorized by Cleanfix. Cleanfix may elect to require the return of the machine or component(s) to validate the claim. Any defective machine or component to be returned must be shipped freight pre-paid to an authorized Cleanfix distributor/service center.

Cleanfix will provide and charge for replacement parts, including shipping and handling, to the original purchaser through an authorized service center. If the part is returned within 30 days and is found defective, the purchaser will be credited for the cost of the replacement part including shipping and handling.

**8. Term.** This warranty is valid for all products sold after January 1, 2006. A product sold before that date will be covered by the limited warranty in effect at the date of sale to the original purchaser.